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**TEXTILE INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

FZ/T 52010-2014

Replacing FZ/T 52010-2009

Recycled polyester staple fiber

再生涤纶短纤维 清晰版

(English Translation)

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10 Mercury Hg/(mg/kg) <= 0.02 0.02 0.02 0.02	

Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

Instead of the standard FZ/T 52010-2009 "regenerated polyester staple fiber." this standard FZ/T 52010-2009 compared to the main changes are as follows.

--- Scope. Spinning yarn with a linear density and by the 0.9dtex ~ 11.1dtex, adjust the yarn used as 0.8dtex ~ 6.7dtex, the nonwoven used as 0.8dtex ~ 22.2dtex; linear density of filling by 2.8dtex ~ 27.8dtex adjusted 0.8dtex ~ 33.3dtex (see Chapter 1, Chapter 1 of the 2009 edition);

--- Normative references added GB/T 17593 (all parts) "Determination of Heavy Metals in Textiles", delete FZ/T 50009.4 "Hollow polyester staple fiber bulkiness and elastic fiber test method" (see Chapter 2, Section 2 of the 2009 edition);

--- Terms and definitions section of silicon, silicon-modified definition, an increase of about ecological textile terminology. baby products, direct contact with skin products, Non-direct contact with skin products and decorative materials (see Chapter 3, Section 3 of the 2009 edition);

--- Modify product identification mode (see 4.2, 2009 version 4.2.);

--- Technical Requirements section (see Chapter 5, 2009 edition of Chapter 5).

- recycled polyester staple fiber yarn from the first-class products, qualified two tranches

into superior products, first-class goods and qualified for third gear, cotton project performance increase breaking strength variation coefficient index;

- Adjust Table 1, Table 2 and Table 3 index value of;
- increase of extractable heavy metal test items listed in Table 4.

The standard proposed by China Textile Industry Association.

This standard by the Shanghai textile industry technical supervision of the centralized.

This standard was drafted. Ningbo Dafa Chemical Fiber Co., Ltd., Zhangjiagang Free Trade Zone torch German Chemical Fiber Co., Hangzhou Best Chemical Fiber Co., Feng Textile Co., Ltd. Changle City, Fujian Province, Fujian Xinhua Co., Ltd., Cixi Jiangnan Chemical Fiber Co., Ltd. Hangzhou Hartcourt fiber, Zhangjiagang City Anshun Technology Development Co., Ltd., Guangdong Sheng autumn Resources Inc., Jiangxi Province Cheung source regenerated silk Fiber Co., Ltd.

Liaoning Province Shengda Chemical Fiber Co., Ltd. Zhaoqing Tin Fu new synthetic fiber, automotive interior Yangzhou Tin Fu Long Fiber Co., Ltd., Hangzhou Wing Sing Plastic Chemical Fiber Co., Ho Kam chemical fiber (Fuzhou) Co., Ltd., the wave of environmental protection Co., Ltd., China Chemical Fiber Industry Association, Shanghai textile industry technical supervision.

1 Scope

This standard specifies the recycled polyester staple fiber of terms and definitions, classification and identification, technical requirements, test methods, inspection rules and signs, Packaging, transportation and storage requirements.

This standard applies to recycled polyester (PET) as a raw material by melt spinning production line density 0.8dtex ~ 6.7dtex recycled polyester staple fiber yarn, Linear density 0.8dtex ~ 22.2dtex nonwoven recycled polyester staple fiber and the linear density of 0.8dtex ~ 33.3dtex filled with recycled polyester staple fiber.

Recycled polyester staple fiber linear density within the above range can refer not use. Other types of recycled polyester staple fiber may also refer to use.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 3291.1 textile material properties and test - Part 1. fibers and yarns GB/T 3291.3 textile material properties and test - Part 3. General GB/T 4146.1 Textiles chemical fiber - Part 1. generic name GB/T 4146.3 Textiles chemical fiber - Part 3. Testing Terminology

GB/T 6503 Test Methods for chemical fiber moisture regain GB/T 6504 Test method for chemical fiber oil content GB/T 8170 repair value expressed about the rules and limit values and judgment GB/T 14334 chemical fiber staple sampling method GB/T 14335 chemical fiber staple linear density test method GB/T 14336 chemical fiber staple length of the test method GB/T 14337 chemical fiber short fiber tensile properties GB/T 14338 chemical fiber staple crimp performance test method GB/T 14339 chemical fiber staple defect test method GB/T 14342 synthetic staple fiber than the resistance test method Determination of GB/T 17593 (all parts) Heavy Metals in Textiles FZ/T 50002 Test method for chemical fiber shaped degree FZ/T 50004 polyester staple fiber dry heat shrinkage test method FZ/T 50009.1 three-dimensional crimped polyester staple fiber linear density test methods single fiber length FZ/T 50009.2 three-dimensional crimped polyester staple fiber average length of a single test method for fiber length measurement FZ/T 50009.3 hollow polyester staple curly performance test method

3 Terms and Definitions

GB/T 3291.1, GB/T 3291.3, GB/T 4146.1 and GB/T 4146.3 and define the following terms and definitions apply to this document.

With recycled polyester (PET) as a raw material produced by melt spinning polyester staple fiber.

Dimensional curl

Qu Bo fiber volume distributed on a plane, also known as mechanical crimping.

Three-dimensional crimp Qu Bo fiber volume was three-dimensional distribution, also known as three-dimensional curl.

Silicon

Application of silicon finishing agent treated fibers.

Silicone free

Silicon fiber finishing agent process is not applied.

Infant supplies

36 months infant wear or use products and services.

Direct contact with skin products Wearing or use, most of the area in direct contact with the skin products (such as shirts, underwear, towels, sheets, etc.).

Non-direct contact with skin products Wearing or use, no direct contact with the skin small portion in direct contact with human skin or a product (such as a coat, etc.).

Decoration Materials homedecorations for decorative products (such as tablecloths, wall coverings, curtains, carpets, etc.).

4.1 Categories

4.1.1

regenerated polyester staple fiber products use is divided into. yarn recycled polyester staple fiber, non-woven recycled polyester staple fiber and filling again Health polyester staple fiber categories.

4.1.2

recycled polyester staple fiber yarn is divided into third gear.

--- Cotton. nominal linear density of 0.8dtex ~ 2.1dtex, points Upjohn cotton and cotton type two high-strength;

--- The long. nominal linear density of 2.2dtex ~ 3.2dtex;

--- Hair type. nominal linear density of 3.3dtex ~ 6.7dtex.

4.1.3

Non-woven recycled polyester staple fiber by fiber nominal linear density divided into the following five files.

--- Nominal linear density of less than 1.5dtex;

--- Nominal linear density 1.5dtex ~ 2.1dtex;

--- Nominal linear density 2.2dtex ~ 3.2dtex;

--- Nominal linear density 3.3dtex ~ 6.0dtex;

--- Nominal linear density 6.1dtex ~ 22.2dtex.

4.1.4

filling regenerated polyester staple fiber in accordance with the method of manufacturing an insulating non-recycled polyester staple fiber, two-dimensional hollow polyester staple fiber regeneration, Reproducing three-dimensional crimp hollow polyester staple fiber categories.

4.1.5

filling hollow regenerated polyester staple fiber products in accordance with the finishing process is divided into two kinds of silicon and non-silicon.

4.2 Product Identification

Recycled polyester staple fiber product line in order to identify the density, length, purpose, etc. represent. Among them, the line density in decitex (dtex); cut length in millimeters (mm).

Example. 1.5dtex x 38mm yarn from recycled polyester staple fiber, 3.3dtex x 38mm